

S-491/60

(DC-4043).

Production of Metallic Potassium by the Vacuum-Thermic Method, by A. Yu. Tayts, V. M. Chel'tsov,  
10 pp.

RUSSIAN, per, Khim Prom, No 5, 1959, pp 404-408.

JPRS 3517

Sci - Min/Met  
Jul 60

119,682

The Removal of  $\text{SO}_2$  From Flue Gases in  
a Bubbling Foam Absorber, by B. A. Chertkov.

RUSSIAN, per, Khim Prom, No 5, 1959,  
pp 413-417.

CSIRO

Sci - Chem  
Apr 62

191,430

The Explosion Dangers in Dinitro Compounds of  
the Benzene Series, by I. F. ~~ME~~ Blinov.

RUSSIAN, per, Khim Promyshlennost', 1959,  
pp 419-425. 9203654

AEC/Tr 5528  
ETS 62-26926 (Khim Promyshlennost' to EAC/NCLH)

Sci - Chem

Mar 63

226, 583

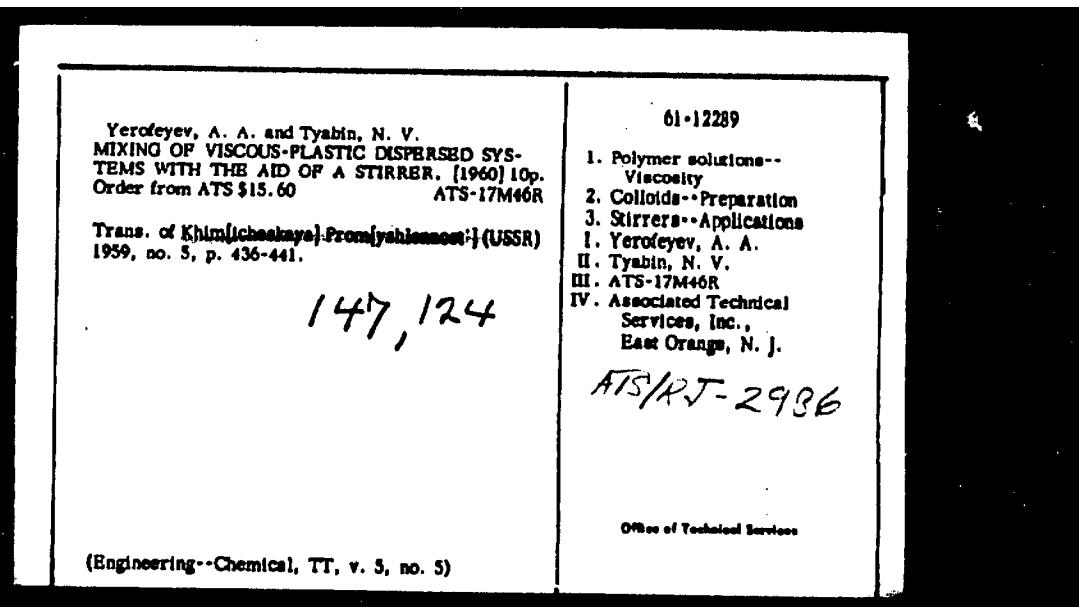
The Speeds of Irregular Particles in Fluidised  
Bed, by J. Beranek, et al.

RUSSIAN, per, Khim Prom, No 5, 1959, pp 430-435.

~~SECRET~~

Sci - Chem  
Apr 60

OTS 62-18104



# 22

(NY-3959)

Development of the Chemical Industry in the  
Bulgarian People's Republic, by N. Videnov,  
7 pp.

RUSSIAN, per, Khim Prom, No 7, Oct/Nov 1959,  
pp 86-88.

JPRS 5866

Sci - Chem

Oct 60

129, 55-9

Khomjakov, V. G. and Tomilov, A. P.

EXAMPLES OF POSSIBLE APPLICATIONS OF ELECTROLYSIS OF ORGANIC COMPOUNDS IN INDUSTRY.  
[1962] [16]p. 72 refs.

Order from OTS or SLA \$1.60

62-20371

Trans. of Khimicheskaya Promishlennost' (USSR) 1959,  
no. 7, p. 566-573.

DESCRIPTORS: \*Electrolysis, \*Organic compounds,  
Industries, \*Electrochemistry, Acetones, Anodes,  
Cathodes, Chemical engineering.

Several processes are examined whose accomplishment  
by the electrochemical method is of interest to industry.  
These include oxidation, displacement and free radical  
formation at the anode, and reduction of multiple C-C  
bonds, reduction of functional groups, halogen displace-  
ment by hydrogen and formation of free radicals at the  
(Chemistry--Physical, TT, v. 9, no. 10)

62-20371

I. Khomjakov, V. G.  
II. Tomilov, A. P.

Offices of Technical Services

<p>Trostyan'skaya, E. B., Makarova, S. B., and Tevlina, A. S. CHLOROMETHYLATED COPOLYMERS OF VINYL AROMATIC COMPOUNDS (Khlorometilirovaniye Sopolimerov Vinilaromaticeskikh Soedinenii). July 61 (7) p. 11 refs. RTS 1802. Order from OTS or SLA \$1.10                  61-27189</p>	<p>61-27189</p> <p>I. Title: Chloromethylation I. Trostyan'skaya, E. B. II. Makarova, S. B. III. Tevlina, A. S. IV. RTS-1802 V. Department of Scientific and Industrial Research (Gt. Brit.)</p>
<p>Trans. of <u>Khimicheskaya Promyshlennost'</u> (USSR) 1959, no. 7, p. 577-580.</p>	
<p>DESCRIPTORS: *Chlorides, Methyl ethers, *Polymers, *Styrene, Chemical reactions, Copolymerization, *Vinyl radicals.</p>	
<p>Investigations show that the degree of cross-linking obtained on the chloromethylation of linear styrene copolymers diminishes with increasing content of aliphatic (not chloromethyl) linkages in the chain. This is explained by the reduced probability of contact between phenyl groups in neighbouring macromolecules. (Chemistry--Organic, TT, v. 6, no. 6)</p>	
<p>176759</p>	
<p>Office of Technical Services</p>	

The Influence of SO<sub>2</sub> Concentration in a Gas on Its  
Rate of Absorption by Different Solvents, by  
B. A. Chertkov.

RUSSIAN, per, Khim Prom, No 7, 1959, pp 586-591.

MLR 2237

Sci -  
Jul 63

238,170

Kasatkin, A. G., Popov, D. M., and  
Aksel'rod, Yu. V.  
HEAT TRANSFER THROUGH THE SIDES OF A  
SPIRAL TUBE UNDER BUBBLING CONDITIONS. [1961]  
[5]p. 4 refs. Warren Spring Lab. Trans NT 808;  
DSIR LLU M. 3030.  
Order from OTS or SLA \$1.10

61-27574

Trans. of Khimicheskaya Promyshlennost' [USSR].  
1959, no. 7, p. 622-624.

DESCRIPTORS: Sulfur compounds, Oxides, Absorption,  
\*Bubbles, \*Helices, Copper tubing, \*Heat transfer,  
Ammonium radicals, Sulfites.

The heat transfer process was investigated by the  
absorption of sulphur trioxide by monohydrate (98%  
 $H_2SO_4$ ), producing standard oleum, and by absorption  
of sulphur dioxide by a solution of ammonium sulphite-  
(Physics--Thermodynamics, TT, v. 6, no. 9) (over)

61-27574

I. Kasatkin, A. G.  
II. Popov, D. M.  
III. Aksel'rod, Yu. V.  
IV. DSIR NT-808  
V. DSIR LLU M. 3030  
VI. Department of Scientific  
and Industrial  
Research (Gt. Brit.)

185598

Office of Technical Services

Basic Technological Characteristics of Apparatus for Conducting Radio-Chemical Processes (in Particular for Polymerization of Ethylene) on an Industrial Scale, by N.P. Syrkus, A. Kh. Bfeger, B.I. Vaynshteyn.

RUSSIAN, per, Khim Prom, No 8, 1959, pp 647-652.  
9661794.

ATIC MCL 664/v

Sci - Chem  
Jun 61

155, 536

Production of Foamy Polystyrene With The Aid of  
Saturated Low-Boiling Hydrocarbons, by  
V.M. Nepyshnevskiy, G.M. Sinayevskiy.

RUSSIAN, per, Khim Prom, No 8, 1959, pp 672-674.  
9661794.

ATIC MCL 664/V

Sci - Chem  
Jun 61

155,527

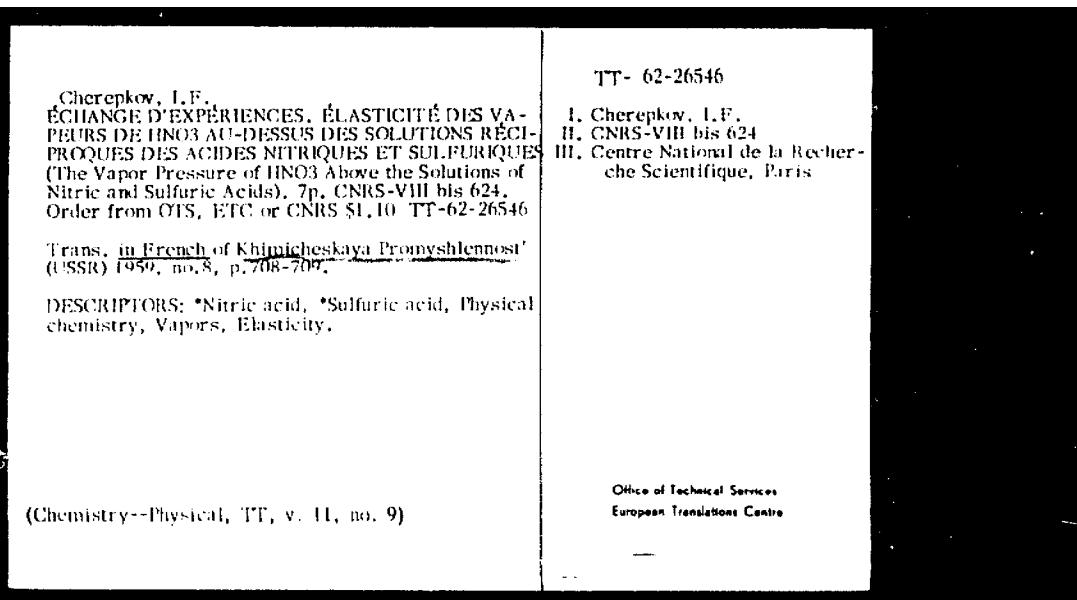
The Hydrothermal Process for Fluorine Removal From Natural Phosphates in a Cyclone Furnace, by S. I. Val'fkovich,  
11 pp.

RUSSIAN, per, Khim Prom, No 3<sup>rd</sup> 8,  
1959, pp 674-680.

ATE-83M42R

Sci  
Vol IV, No 9  
Mar 62

187, 024



"  
Index of Material Printed in Chemical Industry During  
1959. UNCLASSIFIED

RUSSIAN, per, Khim Prom, No 8, 1959, pp 721-738.  
" 734

\*ATIC MCL-664/V

Sci - Chemistry  
23 Jun 60

IC 41144

Vol'fkovich, S. I., Margolis, F. G., and Polyakov,  
N. N.  
COMPLEX FERTILIZERS CONSISTING OF NITRIC  
ACID AND NATURALLY OCCURRING PHOSPHATES  
(COMPLEX FERTILIZERS BY DECOMPOSITION OF  
PHOSPHATE WITH NITRIC ACID) tr. by Bertha P.  
Klenova. 14 Dec 60, 16p. 43 refs. TVA-3881.  
Order from OTS or SLA \$1.60 62-24451

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)  
1960, no. 1, p. 34-41.

DESCRIPTORS: "Fertilizers, Production, Nitric acid,  
"Phosphates, Decomposition, Calcium compounds,  
Nitrates, Carbonates, Ammonium compounds, Sulfates.

(Engineering--Chemical, TT, v. 9, no. 2)

62-24451

I. Vol'fkovich, S. I.  
II. Margolis, F. G.  
III. Polyakov, N. N.  
IV. TVA-3881  
V. Tennessee Valley  
Authority, Wilson Dam,  
Ala.

Office of Technical Services

(SF-1331)

Industrial Water Desalination, by V. P. Maleshko,  
11 pp.

RUSSIAN, per, Khim Prom, No 1, Jan/Feb 1960,  
pp 41-44.

JPRS 4350

Sci - Geophys

Feb 61

139, 260

Distribution of Current Density and Voltage with  
Anode Depth in a Vertical Diaphragm Chlorine Cell,  
by A.T. Kolotukhin, E.V. Mulin.  
RUSSIAN, per, Khim.Prom, 1960, pp 43-47.  
GB/39/GCD.1340 1

Sci -  
July 1967

334-045

On the Acceleration of the Decomposition of  
Sodium Amalgam, by G. I. Volkov, V. A.  
Grinevich.

RUSSIAN, per, Khim Prom, No 1, 1960, pp 58-59.

MLL RMS 2061

Sci - Chem

Aug 62

207,385'

Chemical Means of Protecting Nonmetallic Materials  
from Attack by Microorganisms, by N. N. Mel'nikov,  
I. L. Vladimirova.  
RUSSIAN, per, Khim Prom, No 1, 1960, pp 81-85.  
ADM/PSTC/HT-23-034-69

Sci-Chem  
July 69

384,688

<p>Fridshteyn, I. L., Podol'skaya, F. I. and others. ONE-STAGE METHOD FOR PREPARING ISOPRENE FROM ISOPENTANE AND ISOPENTANE-ISOAMYL- ENE MIXTURES. [1960] 13p. Order from ATS \$15.75</p> <p>Trans. of Khimicheskaya Promyshlennost' (USSR) 1960, no. 2, p. 89-95.</p> <p>ATS-78M46R</p> <p>146,955</p> <p>(Chemistry--Organic, TT, v. 5, no. 5)</p>	<p>61-12290</p> <p>I. Isoprene-Synthesis I. Fridshteyn, I. L. II. Podol'skaya, F. I. III. ATS-78M46R IV. Associated Technical Services, Inc., East Orange, N. J.</p> <p>K-H 10124</p> <p>Office of Technical Services</p>
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Amelin, A. G.  
RÉGIME LE PLUS FAVORABLE POUR PURIFIER LES  
GAZ DE GRILLAGE (Optimum Conditions for the Purifi-  
cation of Roaster Gas for Sulfuric Acid Production).  
10p. 9 refs. FR-1528.  
Order from OTS, ETC or CNRS \$0.80 62-26475

Trans. in French of Khimicheskaya Promyshlennost'  
SSSR, 1960, no. 2, p. 116-126.

DESCRIPTORS: \*Sulfuric acid, Production, \*Combus-  
tion chamber gases, Aerosols, Purification, Heat ex-  
changers, Humidity.

(Engineering--Chemical, TT, v. 10, no. 8)

62-26475

- I. Amelin, A. G.
- II. F/R-1528
- III. Centre National de la  
Recherche Scientifique,  
Paris (France)

Office of Technical Services

Fokin, A. V. and Kosyrev, Yu. M.  
PYROLYSIS OF FLUOROHYDROCARBONS. [1961]  
[23]p. (8 figs. 2 tables equations omitted) 8 refs.  
Order from OTS or SLA \$2.60 62-10367

Trans. of Khimicheskaya Promyshlennost' (USSR)  
1960, no. 3, p. 186-192.

DESCRIPTORS: \*Hydrocarbons, \*Fluorides,  
Ethylenes, Propenes, Butanes, Butenes, Pyrolysis.

(Chemistry--Physical, TT, v. 7, no. 9)

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62-10367

I. Fokin, A. V.  
II. Kosyrev, Yu. M.

Office of Technical Services

The Calculation of Catalytic Processes in Industrial  
Reactors, by G. K. Boreskov, M. G. Slin'ko.

RUSSIAN, per, Khim Prom, No 3, 1960, pp 193-201.

MLL RPS 1883

OTS 61-27782

Sci - Chem

Mar 62

188,932

Use of Graphite in Chemical Apparatus, by Y. Moldavan.

RUSSIAN, per, Khim Prom, No 3, 1960, pp 251-254.

\*U.K. Atomic Energy Authority  
Risley, TRG Inf Ser 103(C)

Sci - Chem  
Jul 62

<p>Furman, M. S., Gol'dman, A. M. and others. CONTINUOUS CATALYTIC OXIDATION OF CYCLO- HEXANE WITH AIR UNDER PRESSURE. [1960] 12p. Order from ATS \$19.65      ATS-24M47R  Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1960, no. 4, p. 265-272.</p> <p>146,957</p> <p>(Chemistry--Physical, TT, v. 5, no. 5)</p>	<p>61-12286</p> <p>I. Cyclohexanes--Oxidation 2. Air--Catalytic properties 3. Catalysts--Effectiveness I . Furman, M. S. II . Gol'dman, A. M. III . ATS-24M47R IV . Associated Technical Services, Inc., East Orange, N. J.</p> <p>ATS/RT - 2789</p> <p>Office of Technical Services</p>
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70-13451-07A

Tayskovskii, V. K.; Levina, M. I.; Freidin, B. G.

SYNTHESIS OF DIBASIC ACIDS BY DIRECT AIR

OXIDATION OF LIQUID PARAFFINS. *Khimicheskaya*

*Promyshlennost*, v. 36, n. 4, p. 272-274, 1960.

Order from NTC as 70-13451-07A: HC \$ 6.70, MP \$ 5.80.

<p>Ioffe, I. I. and Pis'men, L. M. A STATISTICAL METHOD FOR THE ANALYSIS OF MACROKINETIC PROCESSES IN A FLUIDIZED CATALYST BED. [1961] 13p. Order from ATS \$16.85      ATS-08M46R</p> <p>Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1960, no. 4, p. 287-293.</p> <p>DESCRIPTORS: *Catalysts, *Fluidized solids, Statistical analysis, Reaction kinetics.</p> <p>(Chemistry--Physical TT, v. 6, no. 4)</p>	<p>61-22211</p> <p>I. Ioffe, I. I. II. Pis'men, L. M. III. ATS-08M46R IV. Associated Technical Services, Inc., East Orange, N. J. ATS/RJ-2942 177696</p> <p>Office of Technical Services</p>
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<p>Berlin, A. A. SYNTHESIS AND PROPERTIES OF POLYMERS WITH SYSTEMS OF CONJUGATED BONDS. 7 Nov 60, 1p. AID rept. 60-91; AD-246 710. Order from LC or SLA m\$1.80, ph\$1.80 61-13989  Abstract trans. of <u>Khimicheskaya Promyshlennost'</u> (USSR) 1960, no. 5, p. 23-30.  143,341  (Materials--Plastics, TT, v. 3, no. 4)</p>	<p>61-13989</p> <p>1. Polymers--Synthesis 2. Polymers--Properties 3. Polymers--Molecular    structure 4. Plastics--Development</p> <p>I. Berlin, A. A. II. AID-60-81 III. Air Information Div.,       Washington, D. C. IV. AD-246 710</p> <p>Office of Technical Services</p>
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AN I---x DIAGRAM FOR A WATER VAPOR--HYDROGEN SYSTEM,  
BY ANATOL SELECKI ALEKSANDER BLUM, 7 PP.

RUSSIAN, PER, KHM PROM, NO 5, 1960, PP 59-61.  
9678386

FTD-TT-62-1052

SCI - CHEM  
11 OCT 62

212,377

(NY-5504)

Synthesis and Properties of Polymers With Systems of  
Conjugated Bonds, by A.A. Berlin.

RUSSIAN, per, Khimicheskaya Promishlennost', No 5,  
1960, pp 375-382.

JPRS 7475

Sci - Phys

154,362

May 61

Tsiklis, D. S., Kulikova, A. I., and Shenderov, L. I.  
PHASE EQUILIBRIA IN THE SYSTEM ETHANOL-  
ETHYLENE-WATER AT HIGH PRESSURES AND  
TEMPERATURES. [1962] 10p.  
Order from ATS \$14.50 ATS-36P62R

Trans. of Khim[icheskaya] Prom[yshlennoet'] (USSR)  
1960, no. 5, [p. 401-406].

**DESCRIPTORS:** \*Ethanols, \*Ethylenes, Water, Phase studies, Thermodynamics, High pressure research, High temperature research.

(Chemistry--Physical, TT, v. 9, no. 3)

62-34230

- I. Tsiklis, D. S.
  - II. Kulikova, A. I.
  - III. Shenderel, L. I.
  - IV. ATS-36P62R
  - V. Associated Technical Services, Inc., East Orange, N. J.

**Office of Technical Services**

Diagram I-x For a Steam-Hydrogen System,  
by Anatol Seletsky and Aleksander Blyum,  
6 pp.

RUSSIAN, per, Khim Prom, No 5, 1960, pp 411-413.  
9690554

DDC RSIC-106

Sci - Chem  
Jan 64

248, 845

Empirical Equations of Equilibrium Distribution for  
a Liquid-Liquid System, by A. G. Kasatkin, S. L.  
Kagan, V. G. Trukhanov, 13 pp.

RUSSIAN, per, Khim Prom, No 6, 1960, pp 50-54.

CIA/FDD XX-1116  
NOT RELEASABLE TO FOREIGN NATIONALS

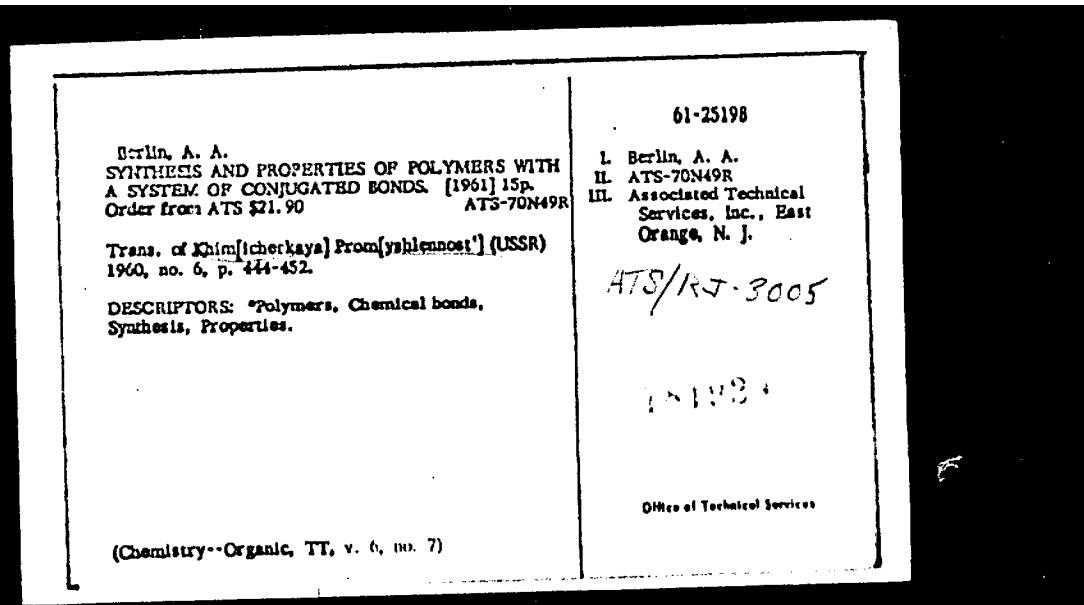
Sci

Mar 62

N-11-118752 (Lent)

185, 952

DSIB INTERNAL USE ONLY



Experience in the Application of Radioactive  
Level Measuring and Indicating Apparatus, by M  
M. A. Vekaler.

RUSSIAN, per, Khim Prom, No 6, 1960, pp 483-487.

NLL M 8880

Sci - Engr  
Mar 63

223,698

<p>Kasatkin, A. G., Kagan, S. Z., and Trukhanov, V. G. EMPIRICAL EQUATIONS OF EQUILIBRIUM DISTRIBUTION FOR A LIQUID-LIQUID SYSTEM [1962] [14 p. 13 refs. Order from OTS or SLA \$1.60 62-10969 Trans. of Khimicheskaya Promyshlennost' (USSR) 1960, no. 6 [p. 486-492]. DESCRIPTORS: *Liquids, *Chemical equilibrium, Equations, Phase studies, *Solvent extraction, Organic solvents.</p> <p>(Chemistry--Physical, TT, v. 8, no. 4)</p>	<p>62-10969 I. Kasatkin, A. G. II. Kagan, S. Z. III. Trukhanov, V. G. 63-14923</p>	Office of Technical Services
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Comparing the Effectiveness of Extraction by Means  
of Pulse Packed Columns With Continuous Aqueous and  
Organic Phases, by S. M. Karpacheva, E. P. Rodionov,  
G. M. Popova, 9 pp.

RUSSIAN, per, Khim Prom, No 6, 1960, pp 496-499.

CIA/FDD XX-1090  
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Jan 62

USIB INTERNAL USE ONLY

010 60 0973

178, 514

N-1 118950

Berkman, B. E. SELECTION OF A PHENOL MANUFACTURING PROCESS. [1961] 6p. Order from ATS \$11.25	ATS-04N55R	61-25550
Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1960, no. 7, p. 26-28.		I. Berkman, B. E. II. ATS-04N55R III. Associated Technical Services, Inc., East Orange, N. J.
DESCRIPTORS: *Phenols, Manufacturing methods.		
(Engineering--Chemical, TT, v. 6, no. 11)		51-554
Office of Technical Services		

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)  
1960, no. 7, p. 529-537.

**DESCRIPTORS:** •Cyclohexanols, •Cyclohexanones, Oxidation, Nitric acid, Pressure, Catalysts.

(Chemistry--Organic, TT, v. 7, no. 10)

62-12664

- I. Lubyanitskii, I.Ya.
- II. Minati, R. V.
- III. Furman, M. S.
- IV. ATS-4BN58R
- V. Associated Technical Services, Inc.,  
East Orange, N. J.

## **Office of Technical Services**

The Preparation of 5/6 Aluminum Oxychloride and  
the Prospects of its Industrial Utilization,  
by E. A. Levitskii.  
RUSSIAN, per, Khimicheskaya Promyshlennost,  
No 7, 1960, pp 557-558.  
NTC 71-13913-07B

Feb 72

(SF-1585)

International Symposium on Macromolecules, by M. I.  
Tokhlin, 7 pp.

RUSSIAN, per, Khim Promyshlennost', No 7, Oct/Nov 1960,  
pp 613-614.

JPRS 4491

Sci - Chem

Apr 61

147,281

Technical Progress and Economics in the Soviet  
Nitrogen Industry, by N. A. Simulin, 11 pp.

RUSSIAN, per, Khim Prom, No 8, Dec 1960, pp 1-5.

CIA/FID X-4867

USSR

192,174

Econ

Apr 62

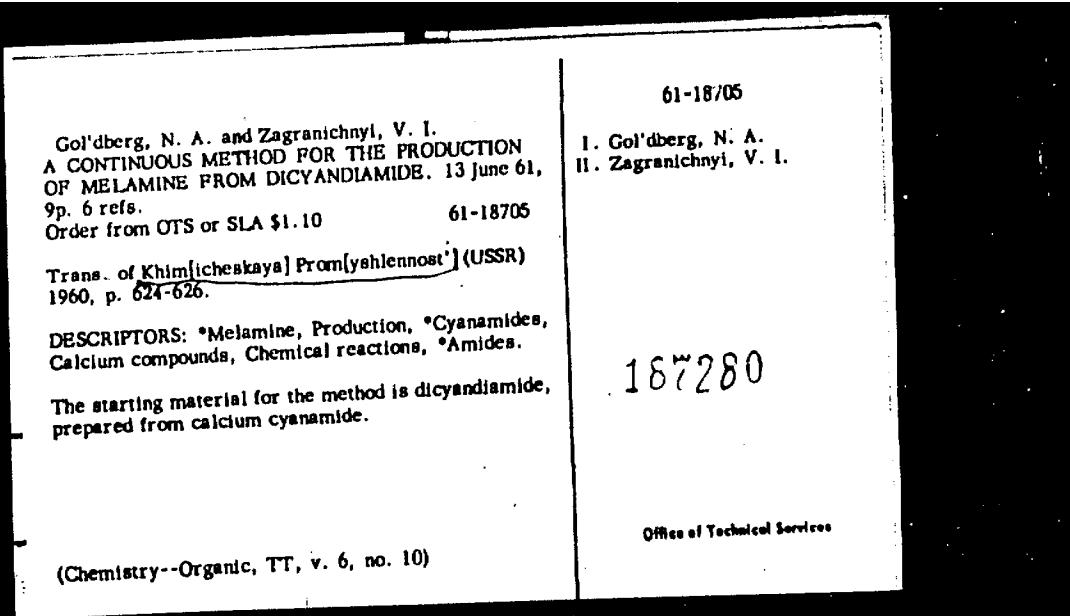
Kinetic Relationships in the Reaction of  
Olefins With Sulfuric Acid, by M. S. Mant-  
sov.

RUSSIAN, per, Khim Prom, No 8, 1960, pp 15-23.

ADS RJ-3967

Sci-Chem  
Doc 63

244 862



<p>Efremova, G. D. and Leont'eva, G. G. THE SOLUBILITY OF MELAMINE IN SOLUTIONS OF DICYANDIAMIDE IN LIQUID AMMONIA. [1961] [5]p. 3 refs. Order from OTS or SLA \$1.10</p> <p>b2-10248</p> <p>Trans. of Khim[icheeskaya Prom[yshlennost'] (USSR) 1960 [no. 2] p. 626-627.</p> <p>DESCRIPTORS: *Melamine, Solubility, Heat of solution, *Ammonia, *Cyanamides.</p> <p>Experiments showed that the solubility of melamine depends on the concentration of dicyandiamide in liquid ammonia. The fact that the solubility of melamine in solutions of dicyandiamide in liquid ammonia can increase or decrease with increasing temperature, depending on the concentration of di- cyanamide in the solution, indicates that the heat of solution changes sign as the concentration of di- cyanamide in the solution increases. (Chemistry--Physical, TT, v. 8, no. 10)</p>	<p>62-10248</p> <p>I. Efremova, G. D. II. Leont'eva, G. G.</p> <p>Office of Technical Services</p>	
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Nemtsov, M. S.  
KINETIC RELATIONSHIPS IN THE REACTION OF  
OLEFINS WITH SULFURIC ACID [Kineticheskie  
Zakonomernosti Vzaimodeistviya Olefinov s Sernoj  
Kislotoj]. Oct 61, 11p. 21 refs.  
Order from ICE in v. 1, no. 1, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR)  
1960, no. 8 [p. 633-641].

DESCRIPTORS: \*Chemical engineering, \*Propenes,  
Chemical reactions, Adsorption, Reaction kinetics,  
\*Sulfuric acid.

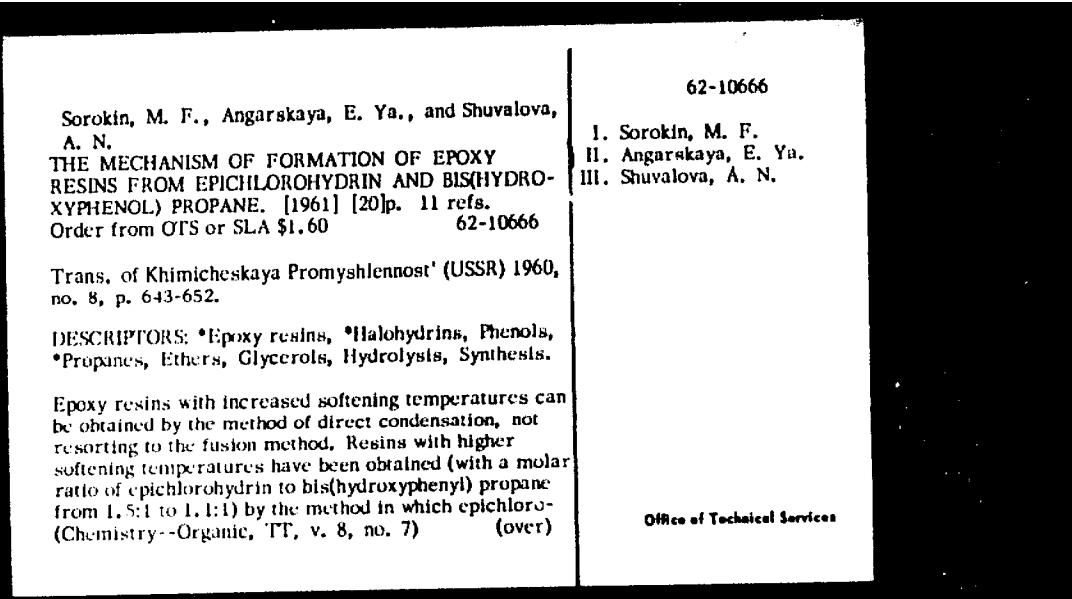
(Chemistry--Physical, TT, v. 9, no. 4)

62-22192

I. Nemtsov, M. S.  
II. International Chemical  
Engineering, New York

Office of Technical Services

<p>Tsyakovskii, V. K., Bocharov, A. A., and Sasin, E. M. SYNTHESIS OF OXY ACIDS AND THEIR DERIVATIVES BY CONTINUOUS OXIDATION OF LIQUID PARAFFINS. [1963] 5p. (figs. omitted) 6 refs. Order from OTS or SLA \$1.10</p> <p>Trans. of [Khimicheskaya Promyshlennost' (USSR)] 1960 no. 8, p. 642-643.</p> <p>DESCI.IPTO;S: "Organic acids, Oxidation, Synthesis (Chemistry), Oxides, Carboxylic acids, Ketones (Chemistry--Organic, TT, v. 10, no. 11)</p>	<p>63-16233</p> <p>I. Tsyakovskii, V. K. II. Bocharov, A. A. III. Sasin, E. M.</p> <p>ALSO SLA TT-66 10619</p> <p>Office of Technical Services</p>
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Furman, M. S., Shestakova, A. D. and others.  
OXIDATION OF n-BUTANE IN THE LIQUID PHASE  
UNDER PRESSURE. Oct 61, 6p. 18 refs.  
Order from ICE in v. 1, no. 1, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR)  
1961, no. 1, p. 6-11.

DESCRIPTORS: \*Butanes, Oxidation, \*Acetic acids,  
Ketones, Acetates.

(Chemistry--Organic, TT, v. 8, no. 8)

62-22200

I. Furman, M. S.  
II. Shestakova, A. D.  
III. International Chemical  
Engineering, New York

Office of Technical Services

Khmel'nitzkaya, I. L., Gutorko, L. I. and others.  
TECHNOLOGIE DE LA PREPARATION DES TOLUENE-DIISOCYANATES (Preparation of Toluene-di-isocyanates). 7p. 6 refs. FR-1956.  
Order from OTS, ETC or CNRS \$0.80 62-26438

Trans. in French of Khimicheskaya Promyshlennost'  
(USSR) 1961, no. 1, p. 18-21.

DESCRIPTORS: \*Toluenes, \*Isocyanic acids, Amines,  
Preparation.

(Chemistry--Organic, TT, v. 10, no. 8)

62-26438

1. Title: Toluene-diisocyanates
- I. Khmel'nitzkaya, I. L.
- II. Gutorko, A. V.
- III. F/R-1956
- IV. Centre National de la Recherche Scientifique, Paris (France)

Office of Technical Services

Mukhlenov, I. P., Traber, D. G. and others.  
OXYDATION DU SO<sub>2</sub> DANS UN REACTEUR A CATALYSEUR FLUIDIFIÉ (Oxidation of Sulfurous Gas in an Apparatus with a Fluidized Catalyst Bed). 10p.  
18 refs. FR-1737.  
Order from OTS, ETC or CNRS \$0.80 62-26454

Trans. In French of Khimicheskaya Promyshlennost'  
(USSR) 1961, no. 1, p. 42-46.

DESCRIPTORS: \*Sulfuric acid, Production, \*Catalysts,  
\*Vanadium, Processing, Fluidized solids.

(Engineering--Chemical, TT, v. 10, no. 6)

62-26454

I. Mukhlenov, I. P.  
II. Traber, D. G.  
III. F/R-1737  
IV. Centre National de la  
Recherche Scientifique,  
Paris (France)

Office of Technical Services

<p>Gel'perin, N. I. and Kvasha, V. B. MAINTAINING OPTIMUM TEMPERATURE CONDITIONS IN CHEMICAL REACTORS. Oct 61, 6p. 5 refs. Order from ICE in v. 1, no. 1, \$15.00/year</p> <p>Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1961, no. 1, p. 51-56.</p> <p>DESCRIPTORS: *Towers (Chemistry), Rectifiers, Distilling plants, *Heat exchangers, Temperature.</p> <p>(Engineering--Chemical, TT, v. 8, no. 8)</p>	<p>62-22198</p> <p>I. Gel'perin, N. I. II. Kvasha, V. B. III. International Chemical Engineering, New York</p> <p>Office of Technical Services</p>	
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(SF-1879)

All-Union Conference on Ultrasonics, by V. M.  
Patakevich, 4 pp.

RUSSIAN, per, Khim Prom, No 1, 1961, pp 72-73.

JPRS 49005 20  
166, ~~259~~  
FID: 17-63-106  
9689793 /

Sci - Engr.

Sep 61

<p>Mikhailov, V. V. PRODUCTION OF PHOSPHATE FERTILIZERS OUT- SIDE THE USSR. II. DECOMPOSITION OF PHOS- PHORITES WITH SULPHURIC ACID (Proizvodstvo Fosfatnykh Udobrenii za Granicai. II. Razlozhenie Fosforitov Sernoi Kislotoi). [1963] [14]p. (foreign text included) 16 refs. Order from OTS or SLA \$1.60                    63-18140</p> <p>Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1941, v. 18 [no. 2] p. 28-31.</p> <p>DESCRIPTORS: *Fertilizers, Phosphates, Decomposi- tion, *Phosphorites, *Sulfuric acid.</p> <p>(Agriculture--Plant Cultivation, TT, v. 10, no. 9)</p>	<p>63-18140</p> <p>I. Mikhailov, V. V. II. Title: Decomposition ...</p> <p>Office of Technical Services</p>
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(SF-187)

Several Problems of the Technology of the Catalytic  
Production of Liquid Parahydrogen, by R. A. Duyanov,  
A. G. Zel'dovich, Yu. K. Pilipenko, 10 pp.

RUSSIAN, per, Khim Prom, No 2, 1961, pp 31-34.

JPRS 10385

Sci - Chem

174, 039

Nov 61

(SF-1879)

All-Union Inter-VUZ Conference on the Theory and Practice of Rectification in the Chemical and the Food Industries, by P. Tsygankov, 9 pp.

RUSSIAN, per, Khim Promyshlennost', No 2, 1961,  
pp 70-73.

JPRS 10377

USSR

172, 011

Econ

Oct 61

Some Problems of the Technology of Catalytic  
Production of Liquid Para-Hydrogen, by  
R. A. Buyanov, A. G. Zel'dovich,  
Yu. K. Pilipenko, 12 pp.

RUSSIAN, per, Khim Prom, No 2, 195  
No 2, 1961, pp 105-108. 9673086

FID-TX-61-192

Sci - Chem

182,599

15 Feb 62

Zelinskii, Yu. G. and Kafarov, V. V.  
HYDRODYNAMIC CONDITIONS ON OPEN-GRID  
(TURBOGRID) TRAYS. Oct 61, 6p. 25 refs.  
Order from ICE in v. 1, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)  
1961, no. 2, p. 122.

DESCRIPTORS: Metal plates, "Hydrodynamics, Re-  
sistance, Bubbles, Oscillation, Towers (Chemistry).

(Engineering--Chemical, TT, v. 8, no. 8)

62-22199

I. Zelinskii, Yu. G.  
II. Kafarov, V. V.  
III. International Chemical  
Engineering, New York

Office of Technical Services

<p>Zelinskii, Yu. G. and Kafarov, V. V. LES RÉGIMES HYDRODYNAMIQUES SUR UN PLATEAU CREUX (Gidrodinamicheskie Rezhimy na Prov'noi Tarelke) [Hydrodynamic Conditions on Open-Grid (Turbogrid) Trays] tr. by de Trezvinsky. 19 Apr 62 [22]p. (Russian text included) 25 refs. CEA Trans. no. R 1609 (text in French). Order from OTS or SLA \$2.60      62-33740</p> <p>Trans. in French of Khimicheskaya Promышленность (USSR) 1961, no. 2, p. 122-126. A trans. is available in English from ICE in v. 1, no. 1, \$15.00/year.</p> <p>DESCRIPTORS: Metal plates, *Hydrodynamics, Re- sistance, Bubbles, Oscillation, Towers (Chemistry).</p> <p>(Engineering--Chemical, TT, v. 9, no. 8)</p>	<p>62-33740</p> <p>I. Zelinskii, Yu. G. II. Kafarov, V. V. III. CEA-tr-R1609 IV. Commissariat à l'Energie Atomique (France)</p>	
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<p>Rozantsev, E. G., Klimenko, M. Ya., and Myahkin, A. E. THE RECOVERY OF ISOAMYLENES FROM THE PENTANE-AMYLENE FRACTION. [1961] Sp. Order from ATS \$8.00                           ATS-67PS8R</p> <p>Trans. of Khim[icheskaya] Prom[yslennost'] (USSR) 1961, no. 3, p. 24-26.</p> <p>DESCRIPTORS: Recovery, *Pentanes, Fractionation, *Ethylenes.</p> <p>(Chemistry--Organic, TT, v. 7, no. 9)</p>	<p>62-12644</p> <p>I. Title: Amylenes I. Rozantsev, E. G. II. Klimenko, M. Ya. III. Myahkin, A. E. IV. ATS-67PS8R V. Associated Technical Services, Inc., East Orange, N. J.</p> <p>AIS - RJ - 3728</p>	Office of Technical Services
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PRODUCTION OF PARTICLE-SIZE DISTRIBUTION CURVES  
OF A POWDER, BY N. N. TSYURUPA.

RUSSIAN, PER, KHIM PROM, NO 3, 1961, PP 37-42.

NLL RTS 2048

SCI - CHEM

OCT 62

214,754

The Provision of Optimal Temperature Conditions  
in Chemical Reactors, by I. I. Gal'perin,  
V. B. Kvashe.

RUSSIAN, per, Khim Prom, No 3, 1961, pp 51-56.

NLL Ref: 5828.4 1962 (10,068)  
(loan)

236,086

Sci - Chem  
Jul 63

(SF-1879/6)

Explosion Danger of Mixtures of Oxides of Nitrogen  
With Combustible Gases and Vapors (Mixtures of  
Nitric Oxide and Dioxide Under Atmospheric Pressure),  
by B. B. Mandt, A. I. Rozlovskiy, V. S. Khaylov,  
12 pp.

RUSSIAN, per, Khim Prom, No 3, 1961, pp 56-62.

JPRS 10278

174.089

Sci - Chem

The Selection of Materials for Apparatus for  
the Direct Hydrogenation of ~~HIGH~~ Higher Fatty  
Acids, by D. M. Mayarov, et al.

RUSSIAN, per, Khim Prom, No 3, 1961, pp 62-65.

MLL M RIS 1999

TS 3-15102

Sci - Chem  
Jun 62

201,014

Nov 61

(SF-1879/6)

Obtaining 2,4,5-Trichlorphenol by Saponification of  
1,2,4,5-Tetrachlorbenzol in a Medium of Methyl  
Alcohol, by I. A. Troyanov, S. M. Sheyn, V. A.  
Ignatov, 4 pp.

RUSSIAN, per, Khim Prom, No 3, 1961, pp 65-66.

JPRS 10278

174,090

Sci - Chem

(SF-1979/6)

Prospects for the Development of the Chemical Industry  
in the Rumanian People's Republic, by Michael  
Florescu, 9 pp.

RUSSIAN, per, Khim Prom, No 3, 1961, pp 69-72.

JPRS 10278

EEur - Rumania

174, 091

Econ

Kasatkin, A. G., Kagan, S. Z., and  
Trukhanov, V. G.  
**INVESTIGATION OF THE STATICS OF THE**  
**EXTRACTION OF CAPROLACTAM WITH OR-**  
**GANIC SOLVENTS.** [1963 12p.  
Order from ATS \$12.75      ATS-55Q69R

Trans. of Khimicheskaya Promyshlennost' (USSR) 1961, no. 3, p. 190-196.

DESCRIPTORS: \*Organic solvents, \*Solvent extraction, Statics, \*Lactams.

(Chemistry--Organic, TT, v. 10, no. 6)

63-17734

- I. Title: Caprolactam  
I. Kasatkin, A. G.  
II. Kagan, S. Z.  
III. Trukhanov, V. G.  
IV. ATS-55069R  
V. Associated Technical  
Services, Inc.  
East Orange, N. J.

ATS RJ-3847

Office of Technical Services

Brandt, B. B., Rozlovskii, A. I., and Khalov, V. S.  
EXPLOSION HAZARD OF MIXTURES OF NITROGEN  
OXIDES WITH COMBUSTIBLE GASES AND VAPORS:  
MIXTURES OF NITRIC OXIDE AND NITROGEN  
DIOXIDE AT ATMOSPHERIC PRESSURE. [1961] 10p.  
Order from ATS \$14.25                           ATS-03NS4R

Trans. of Khimi[chekaya] Prom[yshlennost'] (USSR)  
1961, no. 3, p. 204-210.

DESCRIPTORS: \*Nitrogen compounds, Oxides,  
Hazards, \*Explosions, \*Detonation, Gases, Vapors.

(Chemistry--Physical, TT, v. 6, no. 8)

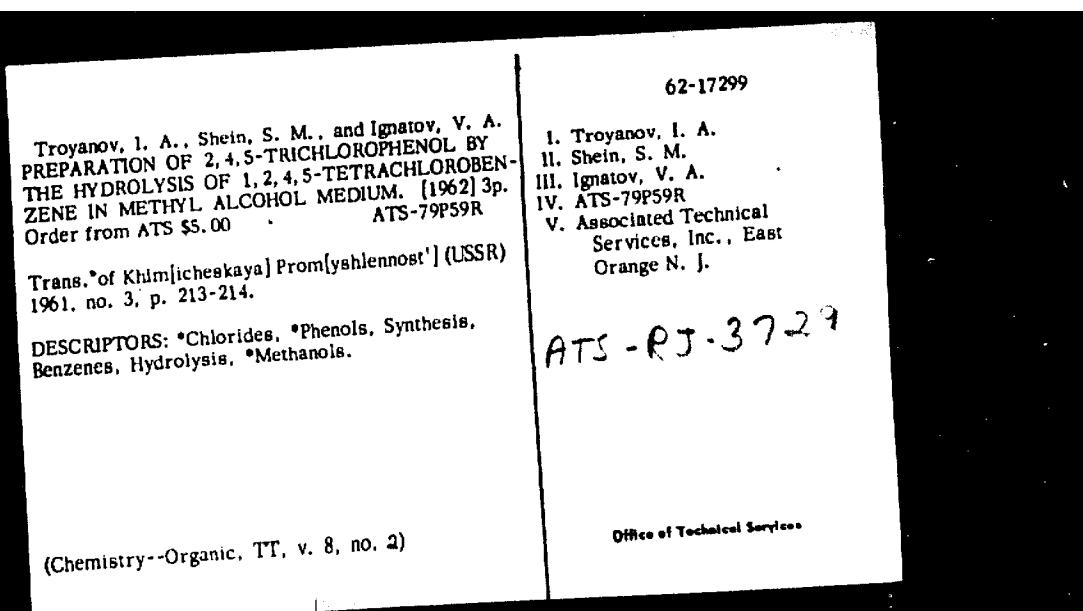
61-25383

- I. Brandt, B. B.
- II. Rozlovskii, A. I.
- III. Khalov, V. S.
- IV. Title: Mixtures...
- V. ATS-03NS4R
- VI. Associated Technical Services, Inc.,  
East Orange, N. J..

ATC/RJ-2935

- 15250

Office of Technical Services



Braude, G. E., Leites, I. L., and Dedova, I. V.  
THE SOLUBILITY OF ACETYLENE, CARBON DIOXIDE AND HIGHER ACETYLENIC HYDROCARBONS IN THE DIMETHYLFORMAMIDE-WATER SYSTEM.  
[1962] 7p.  
Order from ATS \$8.25

ATS-02P65R

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)  
1961, no. 4, p. 10-13.

DESCRIPTORS: \*Acetylenes, \*Carbon dioxide, Hydrocarbons, Solubility, Methyl radicals, \*Formamides, Water.

(Chemistry--Organic, TT, v. 9, no. 2)

63-12264

- I. Braude, G. E.
- II. Leites, I. L.
- III. Dedova, I. V.
- IV. ATS-02P65R
- V. Associated Technical Services, Inc., East Orange, N. J.

ATS RT-3941

Office of Technical Services

(SF-1879)

The Use of Hexachlorane in Insecticidal Aerosols, by  
G. P. Luchinskii, K. S. Tolstov, P. A. Korolev,  
6 pp.

RUSSIAN, per, Xhim Prom, No 4, 1961, pp 13-15.

JPRS 10302

174,038

Sci - Chem

Nov 61

METHODS OF MANUFACTURE OF SODIUM ALKYL  
THER PROCESS AND ECO-

II. Klimenko, V. L.  
III. ATS-28N58R  
Technical

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)  
1961, no. 4, p. 45-47.

DESCRIPTORS: \*Fluidized solids.

(Engineering--Chemical), TT, v.7, no. 10)

62-12663

I. Solchani, P.  
II. ATS-59P58R  
III. Associated Technical  
Services, Inc.,  
East Orange, N. J.

ATS RJ-38'16

Office of Technical Services

Brunstein, B. A. and Klimenko, V. L.  
METHODS OF PRODUCING SODIUM ALKYL  
SUPHATES AND THEIR TECHNICAL AND ECONOMIC  
ASSESSMENT. [1963] [14p] 8refs  
Order from OTS or SLA \$1.60

63-20044

Trans. of Khimicheskaya Promyshlennost' (USSR) 1961,  
no. 4 [p. 253-257].  
Another trans. is available from ATS \$14.45 as  
ATS-28N58R [1961] 10p.

DESCRIPTORS: \*Surface-active substances, \*Cleaning  
compounds, \*Sodium compounds, Alkyl radicals,  
\*Sulfates, Manufacturing methods, \*Fatty acids,  
\*Alcohols, \*Economics.

The production of sodium alkyl sulphates from alcohols,  
obtained by the direct hydration of synthetic fatty acids,  
is more advantageous than their production from alco-  
hols from the hydration of butyl esters, not only for  
(Materials, TT, v. 10, no. 11) (over)

63-20044

I. Title: Sodium alkyl  
sulfates  
I. Brunstein, B. A.  
II. Klimenko, V. L.

Office of Technical Services

Effect of Macrokinetic Factors on the Rate  
of Oxidation of Naphthalene in a Fluid-  
ized Catalyst Bed, by I. I. Ioffe, et al.

RUSSIAN, per, Khim Prom. No 4, 1961,  
pp 258-263.

NULL M.4E606

Sci - Chem  
Apr 62

193, 804

<p>Solchani, P. A NEW METHOD OF DESCRIBING THE EXPANSION OF A FLUIDIZED BED. Apr 62, 3p. 7 refs. Order from ICE in v. 2, no. 2, \$15.00/year</p> <p>Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1961, no. 4 [p. 267-269]. Another trans. is available from ATS \$7.85 as ATS-59PS8R [1961] 5p.</p> <p>DESCRIPTORS: *Chemical engineering, *Fluidized solids, Particles, Volume, Mathematical prediction.</p> <p>(Engineering--Chemical, TI, v. 8, no. 11)</p>	<p>62-34336</p> <p>I. Solchani, P. II. International Chemical Engineering, New York</p> <p>Office of Technical Services</p>	
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<p>Tyuryshev, I. Ya., Tsallingol'd, A. L., and Bullov, A. B. NONHOMOGENEITY OF A FLUIDIZED CATALYST BED. [1962] 6p. Order from ATS \$9.30                           ATS-60P58R</p> <p>Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1961, no. 5, p. 60-63.</p> <p>DESCRIPTORS: *Fluidized solids, Catalysts.</p> <p>(Engineering--Chemical, TT, v. 8, no. 4)</p>	<p>62-17287</p> <p>I. Tyuryshev, I. Ya. II. Tsallingol'd, A. L. III. Bullov, A. B. IV. ATS-60P58R V. Associated Technical Services, Inc., East Orange, N. J.</p> <p>ATS - RJ-3300</p>	
<p>Office of Technical Services</p>		

(SF-1378)

Scientists and Scientific Organizations of the USSR  
(Chemical Industry), by I. A. Sheftil, S. V.  
Kuznetsov, A. L. Leonov, 8 pp.

RUSSIAN, per, Khim Prom, No 5, 1961, pp 70-73.

JPRS 10503

USSR

174, 025

Econ

Tsyakovskii, V. K. and Shcheglova, F. Ts.  
THE EFFECT OF TEMPERATURE OF OXIDATION  
OF n-PARAFFINIC HYDROCARBONS ON THE  
DECOMPOSITION OF ALKYLHYDROPEROXIDES. [1963]  
[7p] 9refs  
Order from OTS or SLA \$1.10

63-20014

Trans. of Khim[ičeskaya Prom[jahisnost'] (USSR)  
1961, no. 5, p. 325-326.

DESCRIPTORS: Hydrocarbons, \*Alkanes, \*Oxidation,  
Peroxides, Carboxyl radicals, Degradation, \*Alcohols,  
Carboxylic acids, Esters, Molecular weight,  
Temperature.

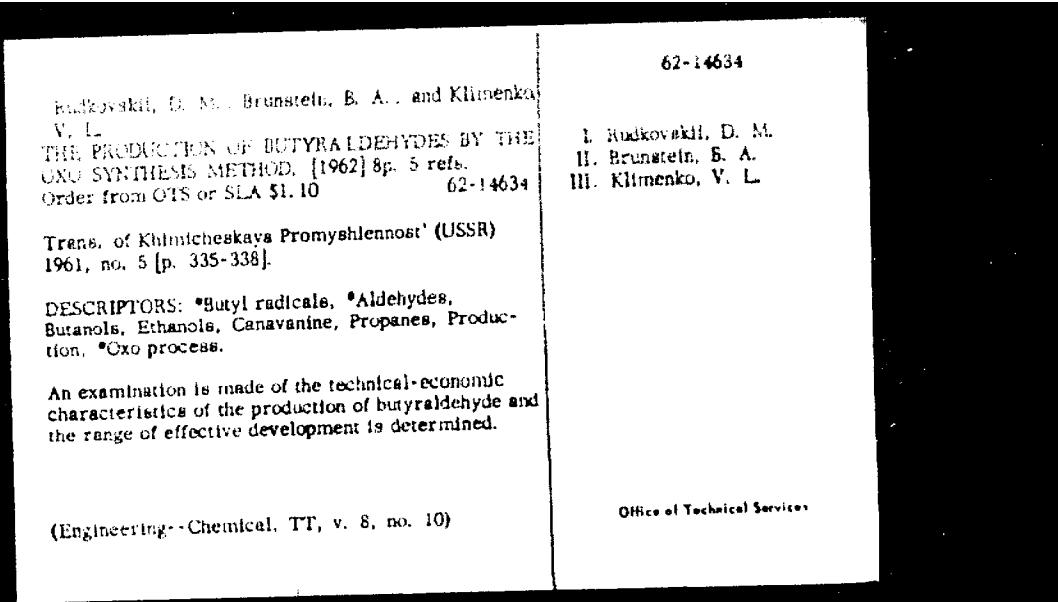
Oxidation of n-decane, n-undecane, and n-tridecane,  
was conducted on a Mn naphthenate catalyst and in the  
presence of a boric acid esterification agent. Analysis  
of the oxidation products revealed that with increasing  
(Chemistry--Organic, TT, v. 10, no. 12) (over)

63-20014

1. Title: Alkyhydroperoxides
2. Title: n-Decane
3. Title: n-Tridecane
4. Title: n-Undecane

I. Tsyakovskii, V. K.  
II. Shcheglova, F. Ts.

Office of Technical Services



Removal of Sulphur Compounds From Hydrocarbon Gases,  
by E. G. Rozantsev, I. I. Berger.

RUSSIAN, per, Khim Prom, Vol V, 1961, pp 339-340.

Dept of Interior  
Tr No 1663

Sci

Jan 63

Gel'perin, N. I. and Assmus, M. G.  
MASS TRANSFER IN INJECTOR EXTRACTION  
COLUMNS. Jan 62, 4p. 1 ref.  
Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)  
1961, no. 5, p. 348ff.

DESCRIPTORS: \*Mass transfer, \*Injectors, Towers  
(Chemistry), Xylenes, Acetic acids, Ethers, Water,  
\*Chemical engineering.

(Engineering--Chemical, TT, v. 8, no. 10)

62-34294

- I. Gel'perin, N. I.
- II. Assmus, M. G.
- III. International Chemical  
Engineering, New York

Office of Technical Services

Tyuryaev, I.Ya., Tsallingol'd, A.L. and Bullov, A.B.  
HETEROGENITE DU LIQT FLUIDISE DU CATALYSEUR  
(Neodnorodnost' Vzeshennogo Slova Katalizatora)  
(Heterogeneity of a Fluidized Catalyst Bed), 14p.  
(foreign text included) 12refs. CNRS-VIN bis 796  
Order from OTS, BTC or CNRS \$0.80 TT-62-29186

Trans. in ~~English~~ of Khimicheskaya Promyshlennost'  
(USSR) 1961, no. 5, p. 356-359.  
Another trans. is available ~~in~~ English from ATS  
\$9.30 as ATS-60P58R [1962] 6p.

DESCRIPTORS: \*Catalysts, Fluid flow, Gas flow,  
Particles, Chemical reactions.

*On my hands:  
ATS - 60P58R Lipp*

(Chemistry, TT, v. 11, no. 7)

TT-62-29186

I. Tyuryaev, I.Ya.  
II. Tsallingol'd, A.L.  
III. Bullov, A.B.  
IV. CNRS-VIII bis 796  
V. Centre National de la Recherche Scientifique, Paris

Office of Technical Services  
European Translations Centre

Production of Manganese Dioxide of Reagent  
Purity, by D. M. Korf, and A. A. Maturen.  
RUSSIAN, per, Khim. Prom., Vol 5, 1961,  
p 361.  
NLL Ref: 5828.4F (12676)

Sci-Chemistry  
Jul 68

360,782

(SF-1379)

The Hydrothermal Refining of Phosphates in a Cyclone  
Furnace, by S. I. Vol'fkovich, 23 pp.

RUSSIAN, per, Khim Prom, No 6, 1961, pp 24-29.

JPRS 10911

Sci - Chem

175, 6 82

Dec 61

(SF-1879)

The Ammonia .. Phosphoric Acid Method of Refining  
Weak Sulphur Gases With the Production of Ammophos,  
by N. A. Vasilenko, 21 pp.

RUSSIAN, per, Khim Prom, No 6, 1961, pp 30-35.

JPRS 11006

Sci - Chem

176, 013

Dec 61

Corrosion of Copper and Its Alloys in Hydrofluoric Acid, by E. I. Antonovskaya, Yu. N. Vil'k.

RUSSIAN, per, Khim Prom, No 6, 1961, pp 61-62.

\*FID-TT-62-724

Sci - Chem

26 Apr 62

Vol'fkovich, S. I., Ionass, A. A. and others.  
HYDROTHERMAL PROCESSING OF PHOSPHATES  
IN A CYCLONE FURNACE. Jan 62, 7p. 3 refs.  
Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)  
1961, no. 6 [p. 394-399].  
Another trans. is available from OTS or SLA \$2.60  
as 62-13405, JPRS-10911, 2 Nov 61 [25p].

DESCRIPTORS: \*Phosphates, Refineries, Purification,  
\*Cyclone furnaces, \*Chemical engineering.

(Engineering--Chemical, TT, v. 8, no. 10)

62-34301

I. Vol'fkovich, S. I.  
II. Ionass, A. A.  
III. International Chemical  
Engineering, New York

Office of Technical Services

<p>Khodorov, E. I. ENTRAINMENT OF MATERIALS FROM ROTARY KILNS (Unos Materiala iz Vrashchayushchikhaya Pechi). [1962] [13p. (foreign text included) 7 refs. Order from OTS or SLA \$1.60 62-16007</p> <p>Trans. of Khimicheskaya Promyshlennost' (USSR) 1961, no. 6, p. 416-420.</p> <p>DESCRIPTORS: *Rotary furnaces, Temperature, Fuel consumption, Gases, Particles, Motion, Velocity, Tur- bulence, Gas flow, Heating.</p> <p>(Engineering--Chemical, TT, v. 9, no. 2)</p>	<p>62-16007</p> <p>I. Title: Entrainment I. Khodorov, E. I.</p> <p>Office of Technical Services</p>
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Experience in the Use of Automated Filter Presses  
for the Isolation of Dyestuff Suspensions, by  
M. L. Goldfarb, T. A. Malinovskaya.

RUSSIAH, per, Khim Prom, Vol VI, 1961, pp 420-424.

NLL RMS 2031

Sci - Chem

Jul 62

204.842

Platonov, V. M., Monko, Ya. D., and Bergo, B. G.  
THE "URAL" DIGITAL COMPUTER AS AN AID IN  
CALCULATING UNSTEADY-STATE RECTIFICATION.  
Jan 62, 5p. 2 refs.  
Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennoet'] (USSR)  
1961, no. 6 [p. 424-430].

DESCRIPTORS: \*Chemical engineering, \*Digital  
computers, \*Rectifiers, Mass transfer, Towers  
(Chemistry).

(Mathematics--Computing Devices, TT, v. 8, no. 10)

62-34303

- I. Title: "Ural" computer
- II. Platonov, V. M.
- III. Monko, Ya. D.
- IV. Bergo, B. G.
- V. International Chemical  
Engineering, New York

Office of Technical Services

Separation of Hydrogen Fluoride from  
Silicon Tetrafluoride, by N. M. Rogovina and V.  
S. N. Vol'fkovich, et al, 9 pp.

RUSSIAN, per, Khim Prom, No 7, 1961, pp 6-8.  
9672756

FID-TT-61-105

Sci - Chem

1961, 0 96

14 Dec 61

Production and Use of Molecular Sieves in the  
UESR, by A. V. Agafonov, M. M. Budinin,  
B. A. Onusaitis, et al.

RUSSIAN, per, Khim Prom, No 7, 1961,  
pp 26-30.

NLL Tr Bulletin

S  
USSR  
Econ  
Ayr 62  
Sci - Engr

193, 923

Investigation of the Hydro Dynamic  
Processes in the Pseudo-Combustible Layer  
of Solid Particles Under High Pressure.  
by O. S. Chekhov.

RUSSIAN, per, Khim Prom, No 7, 1961,  
pp 48-50.

TIL/T. 5952

Sci - Chem  
Oct 63

Boguslavskii, N. M., Vol'kovich, S. N. and others.  
PREPARATION OF HYDROGEN FLUORIDE FROM  
 $\text{SiF}_4$ . [1963] 6p. (figs. tables omitted).  
Order from OTS or SLA \$1.10

Trans. of *Khimicheskaya Promyshlennost'* (USSR)  
1961 [no. 7] p. 450-452.  
Another trans. is available from OTS or SLA \$1.60 as  
62-13583, FTD-TT-61-105, 23 Oct 61 [11]p.

1 DESCRIPTORS: \*Hydrogen compounds, \*Fluorides,  
\*Silicon compounds, Phosphates, Ammonium radicals,  
Decomposition, Costs, Chemical reactions.

For abstract see Technical Translations 7:763, 1962.

(Chemistry Inorganic, TT, v. 10, no. 7)

63-14165

I. Boguslavskii, N. M.  
II. Vol'kovich, S. N.

Office of Technical Services

Agafonov, A. V., Dubinin, M. M. and others.  
TRAVAUX ACCOMPLIS EN U. R. S. S. POUR LA PRÉPARATION ET LES APPLICATIONS DE NOUVEAUX ADSORBANTS SELECTIFS; LES TAMIS MOLÉCULAIRES (Preparation and Applications of New Selective Adsorbents: Molecular Sieves). 8p. FR-2357. Order from OTS, ETC or CNRS \$0.80 62-26451

Trans. in French of Khimicheskaya Promyshlennost' (USSR) 1961, no. 7, p. 420-474.  
Other translations are available in English from ATS \$17.45 as ATS-36259R, 9p.; from HMSO \$0.77 in NLL Translations Bulletin, 1962, v. 4, no. 1.

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